

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| L1    | 903   | {220/62.22.501}.CCLS  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L2    | 1237  | {(383/210.1) or (600/573)}.CCLS   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L3    | 1147  | {604/406,408,410}.CCLS  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L4    | 903   | {220/62.22.501}.CCLS  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L5    | 1237  | {(383/210.1) or (600/573)}.CCLS   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L6    | 1147  | {604/406,408,410}.CCLS  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/03/12<br>14:41 |
| L7    | 782   | (L4 L5 L6) and filter   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/12<br>14:41 |
| L8    | 33005 | @y<"2004" and ( loop looped looping )and filter and ( channel<br>channeled channeler channeling channelable conductor conducted<br>conductor conducting conductable course coursed coursing duct<br>duct ducting ductable lumen luminal pipe piped piping pipeable<br>pipeable pipeline tube tubing vessel conduit ) and ( hemodialysis<br>hemodiafiltration hemofiltration autotransfusion dialysis hemo blood<br>patient medical therapy therapeutic )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2009/03/12<br>14:41 |
| L9    | 33005 | @y<"2004" and ( loop looped looping )and filter and ( channel<br>channeled channeler channeling channelable conductor conducted<br>conductor conducting conductable course coursed coursing duct<br>duct ducting ductable lumen luminal pipe piped piping pipeable<br>pipeable pipeline tube tubing vessel conduit ) and ( hemodialysis<br>hemodiafiltration hemofiltration autotransfusion dialysis hemo blood<br>patient medical therapy therapeutic )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2009/03/12<br>14:41 |
| L10   | 16644 | L9 and ( channel channeled channeler channeling channelable<br>conductor conducted conductor conducting conductable course<br>coursed coursing duct ducted ducting ductable lumen luminal pipe<br>piped piping pipeable pipeable pipeline tube tubing vessel conduit )<br>with ( cut cutting cutter cuttable trim trimmed trimming trimmer<br>trimmable snipped snipping snipper snippable fuse fused fusing<br>fuser fusable fusion melt melted melting melter metttable unite<br>united uniting uniter weld welded welding welder weldable bond<br>bonded bonder bonding bound connector connector connect<br>connecting connected connectable couple coupling coupled coupler<br>couplable couplible fasten fastener fastened fastening fastenable link<br>linker linked linkable linkible attach attachment attachable attaching<br>attacher attached mount mounting mounted mountable mounting<br>mount joint joined joiner joining joinable joint ) | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2009/03/12<br>14:41 |
| L11   | 16644 | L9 and ( channel channeled channeler channeling channelable<br>conductor conducted conductor conducting conductable course<br>coursed coursing duct ducted ducting ductable lumen luminal pipe<br>piped piping pipeable pipeable pipeline tube tubing vessel conduit )<br>with ( cut cutting cutter cuttable trim trimmed trimming trimmer<br>trimmable snipped snipping snipper snippable fuse fused fusing<br>fuser fusable fusion melt melted melting melter metttable unite<br>united uniting uniter weld welded welding welder weldable bond<br>bonded bonder bonding bound connector connector connect<br>connecting connected connectable couple coupling coupled coupler<br>couplable couplible fasten fastener fastened fastening fastenable link<br>linker linked linkable linkible attach attachment attachable attaching<br>attacher attached mount mounting mounted mountable mounting<br>mount joint joined joiner joining joinable joint ) | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2009/03/12<br>14:41 |
| L12   | 3411  | L11 and ( loop looped looping ) with ( channel channeled channeler<br>channeling channelable conductor conducted conductor conducting<br>conductable course coursed coursing duct ducted ducting ductable<br>lumen luminal pipe piped piping pipeable pipeable pipeline tube<br>tubing vessel conduit )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2009/03/12<br>14:41 |

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|-----|-------|---|--|----|----|---------------------|
| L13 | 6769  | L11 and ( loop looped looping circle circular circularity circularity circling circled coil coiling coiled coilable coiler circuit ) with ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L14 | 6769  | L11 and ( loop looped looping circle circular circularity circularity circling circled coil coiling coiled coilable coiler circuit ) with ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L15 | 371   | L14 and ( loop looped looping circle circular circularity circularity circling circled coil coiling coiled coilable coiler circuit ) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )   | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L16 | 371   | L14 and ( loop looped looping circle circular circularity circularity circling circled coil coiling coiled coilable coiler circuit ) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )   | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L17 | 210   | L16 and filter with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusible fusion melt melted melting melter mettable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkable attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint )   | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L18 | 33005 | @ayc "2004" and ( loop looped looping ) and filter and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) and ( hemodialysis hemodiafiltration hemofiltration autotransfusion dialysis hemo blood patient medical therapy therapeutic )   | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L19 | 33005 | @ayc "2004" and ( loop looped looping ) and filter and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) and ( hemodialysis hemodiafiltration hemofiltration autotransfusion dialysis hemo blood patient medical therapy therapeutic )   | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |
| L20 | 16644 | L19 and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusible fusion melt melted melting melter mettable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkable attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint ) | US-PGPUB;<br>USPAT; FPPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>14:41 |

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|-----|-------|---|---|----|-----|---------------------|
| L21 | 16644 | L19 and ( channel channeler channeler channelable conductor conducted conductor conducting conductable course sourced coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter mettable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint ) | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L22 | 6769  | L21 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled collable coiler circuit ) with ( channel channeler channeler channeling channelable conductor conducted conductor conducting conductable course sourced coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L23 | 6769  | L21 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled collable coiler circuit ) with ( channel channeler channeler channeling channelable conductor conducted conductor conducting conductable course sourced coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L24 | 371   | L23 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled collable coiler circuit ) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L25 | 371   | L23 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled collable coiler circuit ) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L26 | 210   | L25 and filter with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter mettable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L27 | 210   | L25 and filter with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter mettable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L28 | 209   | L27 and ( method process procedure using assemble assembled assembler assembling assembly )   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/12<br>14:41 |
| L29 | 1     | ("6733433").FN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/03/12<br>14:41 |
| L30 | 385   | L23 and ( closed cyclic cycling circuit ) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |

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|-----|------|---|---|----|-----|---------------------|
| L31 | 231  | L23 and ( closed adj (circuit cycle loop) cyclic cycling circuit) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L32 | 209  | L27 and ( method process procedure using assemble assembled assembler assembling assembly )   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/12<br>14:41 |
| L33 | 231  | L23 and ( closed adj (circuit cycle loop) cyclic cycling circuit) with ( sterile sterility sterilely clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| L34 | 77   | L33 not L32   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2009/03/12<br>14:41 |
| S1  | 1487 | ((210/459) or (604/408,410,10)) CCLS.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/01/04<br>13:17 |
| S2  | 40   | sugawara-hiroyuki\$.in.   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/01/04<br>13:10 |
| S3  | 897  | "terumo kabushiki kaisha".as.   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/04<br>13:10 |
| S4  | 188  | S3 and blood and filter   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/01/04<br>14:07 |
| S5  | 123  | US-5156701-\$.D.ID. OR US-4142523-\$.D.ID. OR US-4250892-\$.D.ID. OR US-4254771-\$.D.ID. OR US-4346711-\$.D.ID. OR US-4759749-\$.D.ID. OR US-4834108-\$.D.ID. OR US-4850964-\$.D.ID. OR US-4894150-\$.D.ID. OR US-4898572-\$.D.ID. OR US-4963134-\$.D.ID. OR US-5002529-\$.D.ID. OR US-5004459-\$.D.ID. OR US-5061236-\$.D.ID. OR US-5201722-\$.D.ID. OR US-5205834-\$.D.ID. OR US-5207638-\$.D.ID. OR US-5248359-\$.D.ID. OR US-5275585-\$.D.ID. OR US-5318510-\$.D.ID. OR US-5380314-\$.D.ID. OR US-5403304-\$.D.ID. OR US-5437836-\$.D.ID. OR US-5441482-\$.D.ID. OR US-5458567-\$.D.ID. OR US-5507904-\$.D.ID. OR US-5643193-\$.D.ID. OR US-5722947-\$.D.ID. OR US-5772880-\$.D.ID. OR US-5785700-\$.D.ID. OR US-5798041-\$.D.ID. OR US-5885261-\$.D.ID. OR US-5938940-\$.D.ID. OR US-5971948-\$.D.ID. OR US-6027490-\$.D.ID. OR US-6030539-\$.D.ID. OR US-6099492-\$.D.ID. OR US-6129853-\$.D.ID. OR US-6186983-\$.D.ID. OR US-6221264-\$.D.ID. OR US-6277138-\$.D.ID. OR US-6277139-\$.D.ID. OR US-6296602-\$.D.ID. OR US-6328726-\$.D.ID. OR US-6342048-\$.D.ID. OR US-6344049-\$.D.ID. OR US-6358420-\$.D.ID. OR US-6458814-\$.D.ID. OR US-6464624-\$.D.ID. OR US-6471069-\$.D.ID. OR US-4985153-\$.D.ID. OR US-2102571-\$.D.ID. OR US-20070043317-\$.D.ID. OR US-20060180526-\$.D.ID. OR US-4886487-\$.D.ID. OR US-20070412009-\$.D.ID. OR US-2357238-\$.D.ID. OR US-3489145-\$.D.ID. OR US-6814726-\$.D.ID. OR US-6733433-\$.D.ID. OR US-4447230-\$.D.ID. OR US-4596657-\$.D.ID. OR US-4997577-\$.D.ID. OR US-5098371-\$.D.ID. OR US-5269946-\$.D.ID. OR US-5378229-\$.D.ID. OR US-5405343-\$.D.ID. OR US-5536412-\$.D.ID. OR US-5601730-\$.D.ID. OR US-6495039-\$.D.ID. OR US-3000540-\$.D.ID. OR US-4223695-\$.D.ID. OR US-4608178-\$.D.ID. OR US-4857190-\$.D.ID. OR US-5053127-\$.D.ID. OR US-5071570-\$.D.ID. OR US-5100564-\$.D.ID. OR US-5102407-\$.D.ID. OR US-5152905-\$.D.ID. OR US-5126054-\$.D.ID. OR US-5128048-\$.D.ID. OR US-5152905-\$.D.ID. OR US-5180504-\$.D.ID. OR US-5217627-\$.D.ID. OR US-5258126-\$.D.ID. OR US-5316674-\$.D.ID. OR US-5364526-\$.D.ID. OR US-5451321-\$.D.ID. OR US-5472521-\$.D.ID. OR US-5512187-\$.D.ID. OR US-5527472-\$.D.ID. OR US-4267269-\$.D.ID. OR US-4855063-\$.D.ID. OR US-20020133136-\$.D.ID. OR EP-20030141009-\$.D.ID. OR US-20010012930-\$.D.ID. OR US- | US-PGPUB;<br>USPAT  | OR | ON  | 2008/01/04<br>13:47 |

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|-----|------|--|---|----|-----|------------------|
|     |      | 6585682-\$.DID. OR US-4828557-\$.DID. OR US-5217618-\$.DID. OR US-6678040-\$.DID. OR US-7097209-\$.DID. OR US-6488860-\$.DID. OR US-6234538-\$.DID. OR US-6123859-\$.DID. OR EP-41272007-\$.DID. OR EP-412720073-\$.DID. OR US-6041410-\$.DID. OR US-6041246-\$.DID. OR US-6041260-\$.DID. OR US-6041262-\$.DID. OR US-6041182-\$.DID. OR EP-42720073-\$.DID. OR US-2101206-\$.DID. OR US-2805973-\$.DID. OR US-3013925-\$.DID. OR US-4022256-\$.DID. OR US-4242310-\$.DID. OR US-4412835-\$.DID. OR US-4443215-\$.DID. OR US-4501630-\$.DID. OR US-4507119-\$.DID. OR US-4610670-\$.DID. OR US-20030144647-\$.DID. OR US-20070412209-\$.DID. OR US-4157723-\$.DID. OR US-4265280-\$.DID. OR US-20070412210-\$.DID. OR US-20020161322-\$.DID. OR US-2101459-\$.DID. OR US-20070412314-\$.DID. OR US-20050274673-\$.DID. OR US-20020011452-\$.DID.  |   |    |     |                  |
| S6  | 8121 | ((422/44) or (604/4,01,5,01,6,09,6,15,6,16,403,406,408,410,)) or (210/194,196,232,233,234,)). CCLS   | US-PGPUB; USPAT; USOCOR                                   | OR | OFF | 2008/01/04 14:06 |
| S7  | 5227 | (S1 S6) and @ey<"2004" not (S2 S4 S5)  | US-PGPUB; USPAT   | OR | ON  | 2008/01/04 14:07 |
| S8  | 1242 | S7 and blood and filter  | US-PGPUB; USPAT; USOCOR; FRFS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/04 14:08 |
| S9  | 1113 | S8 and ( cut\$4 fraction\$3 fragment\$3 partition\$3 part portion\$3 section\$3 sector\$3 segment\$3 slice\$3 split\$4 subdivi\$4 ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)   | US-PGPUB; USPAT; USOCOR; FRFS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/04 14:11 |
| S10 | 1030 | S9 and (assembl\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)  | US-PGPUB; USPAT; USOCOR; FRFS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/04 16:08 |
| S11 | 1487 | ((210/459) or (604/408,410,10)). CCLS  | US-PGPUB; USPAT; USOCOR                                   | OR | OFF | 2008/01/04 16:12 |
| S12 | 40   | sugawara-hiroyuki\$.in.  | US-PGPUB; USPAT   | OR | ON  | 2008/01/04 16:12 |
| S13 | 897  | "terumo kabushiki kaisha".as.  | US-PGPUB; USPAT; USOCOR; FRFS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/04 16:12 |
| S14 | 188  | S13 and blood and filter   | US-PGPUB; USPAT; USOCOR; FRFS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/04 16:12 |
| S15 | 123  | US-5156701-\$.DID. OR US-4142523-\$.DID. OR US-4250892-\$.DID. OR US-4254771-\$.DID. OR US-4346711-\$.DID. OR US-4759749-\$.DID. OR US-4834108-\$.DID. OR US-4850964-\$.DID. OR US-4894150-\$.DID. OR US-4898572-\$.DID. OR US-4963134-\$.DID. OR US-5002529-\$.DID. OR US-5004459-\$.DID. OR US-5061236-\$.DID. OR US-5201722-\$.DID. OR US-5205834-\$.DID. OR US-5207638-\$.DID. OR US-5248359-\$.DID. OR US-5275585-\$.DID. OR US-5318510-\$.DID. OR US-5380314-\$.DID. OR US-5403304-\$.DID. OR US-5437836-\$.DID. OR US-5441482-\$.DID. OR US-5458567-\$.DID. OR US-5507904-\$.DID. OR US-5643193-\$.DID. OR US-5722947-\$.DID. OR US-5772880-\$.DID. OR US-5785700-\$.DID. OR US-5798041-\$.DID. OR US-5885261-\$.DID. OR US-5938940-\$.DID. OR US-5971948-\$.DID. OR US-6027490-\$.DID. OR US-6030539-\$.DID. OR US-6099492-\$.DID. OR US-6129853-\$.DID. OR US-6186983-\$.DID. OR US-6221264-\$.DID. OR US-6277138-\$.DID. OR US-6277139-\$.DID. OR US-6296602-\$.DID. OR US-6328726-\$.DID. OR US-6342048-\$.DID. OR US-6344049-\$.DID. OR US-6358420-\$.DID. OR US-6458814-\$.DID. OR US-6464624-\$.DID. OR US-6471069-\$.DID. OR US-4985153-\$.DID. OR US-2102571-\$.DID. OR US-20070043317-\$.DID. OR US-20060180526-\$.DID. OR US-4886487-\$.DID. | US-PGPUB; USPAT   | OR | ON  | 2008/01/04 16:12 |

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|-----|------|---|--|----|-----|---------------------|
|     |      | D.I.D. OR US-20070412009-\$.D.I.D. OR US-2357238-\$.D.I.D. OR US-3489145-\$.D.I.D. OR US-6814726-\$.D.I.D. OR US-6733433-\$.D.I.D. OR US-4447230-\$.D.I.D. OR US-4596657-\$.D.I.D. OR US-4997577-\$.D.I.D. OR US-5098371-\$.D.I.D. OR US-5269946-\$.D.I.D. OR US-5378229-\$.D.I.D. OR US-5405343-\$.D.I.D. OR US-5536412-\$.D.I.D. OR US-5601730-\$.D.I.D. OR US-6495039-\$.D.I.D. OR US-3000540-\$.D.I.D. OR US-4223695-\$.D.I.D. OR US-4608178-\$.D.I.D. OR US-4857190-\$.D.I.D. OR US-5053127-\$.D.I.D. OR US-5071570-\$.D.I.D. OR US-5100564-\$.D.I.D. OR US-5102407-\$.D.I.D. OR US-5126054-\$.D.I.D. OR US-5128048-\$.D.I.D. OR US-5152905-\$.D.I.D. OR US-5180504-\$.D.I.D. OR US-5217627-\$.D.I.D. OR US-5258126-\$.D.I.D. OR US-5316674-\$.D.I.D. OR US-5364526-\$.D.I.D. OR US-5451321-\$.D.I.D. OR US-5472621-\$.D.I.D. OR US-5512187-\$.D.I.D. OR US-5527472-\$.D.I.D. OR US-4267269-\$.D.I.D. OR US-4855063-\$.D.I.D. OR US-20020133136-\$.D.I.D. OR EP-20030141009-\$.D.I.D. OR US-20010012930-\$.D.I.D. OR US-6585682-\$.D.I.D. OR US-4828557-\$.D.I.D. OR US-5217618-\$.D.I.D. OR US-6678040-\$.D.I.D. OR US-7097209-\$.D.I.D. OR US-6488860-\$.D.I.D. OR US-6234538-\$.D.I.D. OR US-6123859-\$.D.I.D. OR EP-41272007-\$.D.I.D. OR EP-412720073-\$.D.I.D. OR US-6041410-\$.D.I.D. OR US-6041246-\$.D.I.D. OR US-6041260-\$.D.I.D. OR US-6041262-\$.D.I.D. OR US-6041182-\$.D.I.D. OR EP-42720073-\$.D.I.D. OR US-2101206-\$.D.I.D. OR US-2805973-\$.D.I.D. OR US-3013925-\$.D.I.D. OR US-4022256-\$.D.I.D. OR US-4242310-\$.D.I.D. OR US-4412835-\$.D.I.D. OR US-4443215-\$.D.I.D. OR US-4501630-\$.D.I.D. OR US-4507119-\$.D.I.D. OR US-4610670-\$.D.I.D. OR US-20030144647-\$.D.I.D. OR US-20070412209-\$.D.I.D. OR US-4157723-\$.D.I.D. OR US-4265280-\$.D.I.D. OR US-20070412210-\$.D.I.D. OR US-20020161322-\$.D.I.D. OR US-2101459-\$.D.I.D. OR US-20070412314-\$.D.I.D. OR US-20050274673-\$.D.I.D. OR US-2002011452-\$.D.I.D. |  |    |     |                     |
| S16 | 8121 | ((422/44) or (604/4.01,5.01,6.09,6.15,6.16,403,406,408,410,)) or (210/194,196,232,233,234,)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2008/01/04<br>16:12 |
| S17 | 5227 | (S11 S16) and @ay<"2004" not (S12 S14 S15)  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/01/04<br>16:12 |
| S18 | 1242 | S17 and blood and filter  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/04<br>16:29 |
| S19 | 1113 | S18 and ( cut\$4 fraction\$3 fragment\$3 partition\$3 part portion\$3 section\$3 sector\$3 segment\$3 slic\$3 split\$4 subdivi\$4 ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/04<br>16:12 |
| S20 | 1030 | S19 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/05<br>07:06 |
| S21 | 909  | S20 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (repository vessel receptacle bag canister capsule chamber container compartment reservoir )   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/04<br>16:12 |
| S22 | 814  | S21 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) with (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/04<br>16:21 |
| S23 | 274  | S21 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) with (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit) with filter \$3  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/01/04<br>16:22 |

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|-----|------|--|--|----|-----|---------------------|
| S24 | 12   | ((("4759362") or ("4759362") or ("5512172") or ("5512172") or ("5762668") or ("4266779") or ("4226675") or ("4411662") or ("4412835") or ("5417681") or ("4501951") or ("3968195") or ("4610670") or ("4816221"))).FN.   | US-PGPUB;<br>USPAT; USOOCR   | OR | OFF | 2008/01/05<br>07:06 |
| S25 | 57   | ("4157723"   "4265280"   "4267269"   "4412835"   "4596657"   "4767541"   "4810378"   "4855063"   "4919823"   "4943287"   "4997577").FN. OR ("5180504").URFN.   | US-PGPUB;<br>USPAT; USOOCR   | OR | ON  | 2008/01/05<br>07:48 |
| S26 | 5    | ((("6,733,433") or ("5,496,302") or ("5,802,689") or ("5,779,666") or ("5,180,504"))).FN.  | US-PGPUB;<br>USPAT; USOOCR   | OR | OFF | 2008/01/05<br>07:49 |
| S28 | 1519 | ((210/459) or (604/408,410,10)).OCLS.  | US-PGPUB;<br>USPAT; USOOCR   | OR | OFF | 2008/08/27<br>13:35 |
| S29 | 42   | sugawara-hiroyuki\$.in.  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/08/27<br>13:35 |
| S30 | 943  | "terumo kabushiki kaisha".as.  | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S31 | 196  | S30 and blood and filter   | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S32 | 123  | US-5156701-\$.D.ID. OR US-4142529-\$.D.ID. OR US-4250892-\$.D.ID. OR US-4254771-\$.D.ID. OR US-4346711-\$.D.ID. OR US-4759749-\$.D.ID. OR US-4834108-\$.D.ID. OR US-4850964-\$.D.ID. OR US-4894150-\$.D.ID. OR US-4898572-\$.D.ID. OR US-4963134-\$.D.ID. OR US-5002529-\$.D.ID. OR US-5004459-\$.D.ID. OR US-5061236-\$.D.ID. OR US-5201722-\$.D.ID. OR US-5205834-\$.D.ID. OR US-5207638-\$.D.ID. OR US-5248359-\$.D.ID. OR US-5275585-\$.D.ID. OR US-5318510-\$.D.ID. OR US-5380314-\$.D.ID. OR US-5403304-\$.D.ID. OR US-5437836-\$.D.ID. OR US-5441482-\$.D.ID. OR US-5458567-\$.D.ID. OR US-5507904-\$.D.ID. OR US-5643193-\$.D.ID. OR US-5722947-\$.D.ID. OR US-5772880-\$.D.ID. OR US-5785700-\$.D.ID. OR US-5798041-\$.D.ID. OR US-5885261-\$.D.ID. OR US-5938940-\$.D.ID. OR US-5971948-\$.D.ID. OR US-6027490-\$.D.ID. OR US-6030539-\$.D.ID. OR US-6099492-\$.D.ID. OR US-6129853-\$.D.ID. OR US-6186983-\$.D.ID. OR US-6221264-\$.D.ID. OR US-6277138-\$.D.ID. OR US-6277139-\$.D.ID. OR US-6296602-\$.D.ID. OR US-6328726-\$.D.ID. OR US-6342048-\$.D.ID. OR US-6344049-\$.D.ID. OR US-6358420-\$.D.ID. OR US-6458814-\$.D.ID. OR US-6464624-\$.D.ID. OR US-6471069-\$.D.ID. OR US-4985153-\$.D.ID. OR US-2102571-\$.D.ID. OR US-20070043317-\$.D.ID. OR US-20060180526-\$.D.ID. OR US-4886487-\$.D.ID. OR US-20070412009-\$.D.ID. OR US-2357238-\$.D.ID. OR US-3489145-\$.D.ID. OR US-6814726-\$.D.ID. OR US-6733433-\$.D.ID. OR US-4447230-\$.D.ID. OR US-4596657-\$.D.ID. OR US-4997577-\$.D.ID. OR US-5098371-\$.D.ID. OR US-5269946-\$.D.ID. OR US-5378229-\$.D.ID. OR US-5405343-\$.D.ID. OR US-5536412-\$.D.ID. OR US-5601730-\$.D.ID. OR US-6495039-\$.D.ID. OR US-3000540-\$.D.ID. OR US-4223695-\$.D.ID. OR US-4608178-\$.D.ID. OR US-4857190-\$.D.ID. OR US-5053127-\$.D.ID. OR US-5071570-\$.D.ID. OR US-5100564-\$.D.ID. OR US-5102407-\$.D.ID. OR US-5126054-\$.D.ID. OR US-5128048-\$.D.ID. OR US-5152905-\$.D.ID. OR US-5180504-\$.D.ID. OR US-5217627-\$.D.ID. OR US-5258126-\$.D.ID. OR US-5316674-\$.D.ID. OR US-5364526-\$.D.ID. OR US-5451321-\$.D.ID. OR US-5472521-\$.D.ID. OR US-5512187-\$.D.ID. OR US-5522472-\$.D.ID. OR US-4267269-\$.D.ID. OR US-4855063-\$.D.ID. OR US-20020133136-\$.D.ID. OR EP-20030141009-\$.D.ID. OR US-20010012930-\$.D.ID. OR US-6585682-\$.D.ID. OR US-4828557-\$.D.ID. OR US-5217618-\$.D.ID. OR US-6678040-\$.D.ID. OR US-7097209-\$.D.ID. OR US-6488860-\$.D.ID. OR US-6234538-\$.D.ID. OR US-6123859-\$.D.ID. OR EP-41272007-\$.D.ID. OR EP-412720073-\$.D.ID. OR US-6041410-\$.D.ID. OR US-6041246-\$.D.ID. OR US-6041260-\$.D.ID. OR US-6041262-\$.D.ID. OR US-6041182-\$.D.ID. OR EP-42720073-\$.D.ID. OR US-2101206-\$.D.ID. OR US-2805973-\$.D.ID. OR US-3013925-\$.D.ID. OR US-4022256-\$.D.ID. OR US-4242310-\$.D.ID. OR US-4412835-\$.D.ID. OR US-4443215-\$.D.ID. OR US-4501630-\$.D.ID. OR US-4507119-\$.D.ID. OR US-4610670-\$.D.ID. OR US-20030144647-\$.D.ID. OR US-20070412209-\$.D.ID. OR US-4157723-\$.D.ID. OR US-4265280-\$.D.ID. OR US-20070412210-\$.D.ID. OR US-20020161322-\$.D.ID. OR US- | US-PGPUB;<br>USPAT   | OR | ON  | 2008/08/27<br>13:35 |

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|-----|------|--|---|----|-----|---------------------|
|     |      | 2101459-\$.D.ID. OR US-20070412314-\$.D.ID. OR US-20050274673-\$.D.ID. OR US-20020011452-\$.D.ID.  |   |    |     |                     |
| S33 | 8367 | ((422/44) or (604/4,01,5,01,6,09,6,15,6,16,403,406,408,410,)) or ((210/194,196,232,233,234,)) CCLS.  | US-PGPUB;<br>USPAT; USOOCR  | OR | OFF | 2008/08/27<br>13:35 |
| S34 | 5263 | (S28 S33) and (@ay< "2004" not (S29 S31 S32)   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/27<br>13:35 |
| S35 | 1256 | S34 and blood and filter   | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S36 | 1126 | S35 and ( cut\$4 fraction\$3 fragment\$3 partition\$3 part portion\$3 section\$3 sector\$3 segment\$3 slice\$4 subdivi\$4 ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)   | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S37 | 1043 | S36 and (assembl\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)   | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S38 | 1519 | ((210/459) or (604/408,410,10)).CCLS.  | US-PGPUB;<br>USPAT; USOOCR  | OR | OFF | 2008/08/27<br>13:35 |
| S39 | 42   | sugawara-hiroyuki\$.in.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/27<br>13:35 |
| S40 | 943  | "terumo kabushiki kaisha".as.  | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S41 | 196  | S40 and blood and filter   | US-PGPUB;<br>USPAT;<br>USOOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S42 | 123  | US-5156701-\$.D.ID. OR US-4142523-\$.D.ID. OR US-4250892-\$.D.ID. OR US-4254771-\$.D.ID. OR US-4346711-\$.D.ID. OR US-4759749-\$.D.ID. OR US-4834108-\$.D.ID. OR US-4850964-\$.D.ID. OR US-4894150-\$.D.ID. OR US-4898572-\$.D.ID. OR US-4963134-\$.D.ID. OR US-5002529-\$.D.ID. OR US-5004459-\$.D.ID. OR US-5061236-\$.D.ID. OR US-5201722-\$.D.ID. OR US-5205834-\$.D.ID. OR US-5207638-\$.D.ID. OR US-5248359-\$.D.ID. OR US-5275585-\$.D.ID. OR US-5318510-\$.D.ID. OR US-5380314-\$.D.ID. OR US-5403304-\$.D.ID. OR US-5437836-\$.D.ID. OR US-5441482-\$.D.ID. OR US-5458567-\$.D.ID. OR US-5507904-\$.D.ID. OR US-5643193-\$.D.ID. OR US-5722947-\$.D.ID. OR US-5772880-\$.D.ID. OR US-5785700-\$.D.ID. OR US-5798041-\$.D.ID. OR US-5885261-\$.D.ID. OR US-5938940-\$.D.ID. OR US-5971948-\$.D.ID. OR US-6027490-\$.D.ID. OR US-6030539-\$.D.ID. OR US-6099492-\$.D.ID. OR US-6129853-\$.D.ID. OR US-6186983-\$.D.ID. OR US-6221264-\$.D.ID. OR US-6277138-\$.D.ID. OR US-6277139-\$.D.ID. OR US-6296602-\$.D.ID. OR US-6328726-\$.D.ID. OR US-6342048-\$.D.ID. OR US-6344049-\$.D.ID. OR US-6358420-\$.D.ID. OR US-6458814-\$.D.ID. OR US-6464624-\$.D.ID. OR US-6471069-\$.D.ID. OR US-4985153-\$.D.ID. OR US-2102571-\$.D.ID. OR US-20070043317-\$.D.ID. OR US-20060180526-\$.D.ID. OR US-4886487-\$.D.ID. OR US-20070412009-\$.D.ID. OR US-2357238-\$.D.ID. OR US-3489145-\$.D.ID. OR US-6814726-\$.D.ID. OR US-6733433-\$.D.ID. OR US-4447230-\$.D.ID. OR US-4596657-\$.D.ID. OR US-4997577-\$.D.ID. OR US-5098371-\$.D.ID. OR US-5269946-\$.D.ID. OR US-5378229-\$.D.ID. OR US-5405343-\$.D.ID. OR US-5536412-\$.D.ID. OR US-5601730-\$.D.ID. OR US-6495039-\$.D.ID. OR US-3000540-\$.D.ID. OR US-4223695-\$.D.ID. OR US-4608178-\$.D.ID. OR US-4857190-\$.D.ID. OR US-5053127-\$.D.ID. OR US-5071570-\$.D.ID. OR US-5100564-\$.D.ID. OR US-5102407-\$.D.ID. OR US-5126054-\$.D.ID. OR US-5128048-\$.D.ID. OR US-5152905-\$.D.ID. OR US-5180504-\$.D.ID. OR US-5217627-\$.D.ID. OR US-5258126-\$.D.ID. OR US-5316674-\$.D.ID. OR US-5364526-\$.D.ID. OR US-5451321-\$.D.ID. OR US-5472621-\$.D.ID. | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/27<br>13:35 |



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|-----|------|--|---|----|-----|---------------------|
|     |      | D.ID. OR US-5512187-\$.D.ID. OR US-5527472-\$.D.ID. OR US-4267269-\$.D.ID. OR US-4855063-\$.D.ID. OR US-20020133136-\$.D.ID. OR EP-20030141009-\$.D.ID. OR US-20010012930-\$.D.ID. OR US-6585682-\$.D.ID. OR US-4828557-\$.D.ID. OR US-5217618-\$.D.ID. OR US-6678040-\$.D.ID. OR US-7097209-\$.D.ID. OR US-6488860-\$.D.ID. OR US-6234538-\$.D.ID. OR US-6123859-\$.D.ID. OR EP-41272007-\$.D.ID. OR EP-412720073-\$.D.ID. OR US-6041410-\$.D.ID. OR US-6041246-\$.D.ID. OR US-6041260-\$.D.ID. OR US-6041262-\$.D.ID. OR US-6041182-\$.D.ID. OR EP-42720073-\$.D.ID. OR US-2101206-\$.D.ID. OR US-2805973-\$.D.ID. OR US-3013925-\$.D.ID. OR US-4022256-\$.D.ID. OR US-4242310-\$.D.ID. OR US-4412835-\$.D.ID. OR US-4443215-\$.D.ID. OR US-4501630-\$.D.ID. OR US-4507119-\$.D.ID. OR US-4610670-\$.D.ID. OR US-20030144647-\$.D.ID. OR US-20070412209-\$.D.ID. OR US-4157723-\$.D.ID. OR US-4265280-\$.D.ID. OR US-20070412210-\$.D.ID. OR US-20020161322-\$.D.ID. OR US-2101459-\$.D.ID. OR US-20070412314-\$.D.ID. OR US-20050274673-\$.D.ID. OR US-20020011452-\$.D.ID. |   |    |     |                     |
| S43 | 8367 | (((422/44) or (604/4.015.01.6.09.6.15.6.16.403.406.408.410.)) or (210/194.196.232.233.234.)).CQLS.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/27<br>13:35 |
| S44 | 5263 | (S38 S43) and @day< "2004" not (S39 S41 S42)   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/08/27<br>13:35 |
| S45 | 1256 | S44 and blood and filter   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S46 | 1126 | S45 and ( cut\$4 fraction\$3 fragment\$3 partition\$3 part portion\$3 section\$3 sector\$3 segment\$3 slice\$3 split\$4 subdivi\$4 ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S47 | 1043 | S46 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S48 | 920  | S47 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) same (repository vessel receptacle bag canister capsule chamber container compartment reservoir )  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S49 | 825  | S48 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) with (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit)   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S50 | 278  | S48 and (assembi\$3 form\$3 manufactur\$3 join\$3 bond\$3 affix\$3 merg\$3 mix adj together ) with (channel\$3 conductor course duct flow lumen passage pip\$3 pipeline tub\$3 vessel conduit) with filter \$3   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/27<br>13:35 |
| S51 | 12   | ((("4759362") or ("4759362") or ("5512172") or ("5512172") or ("5762868") or ("4369779") or ("4223675") or ("4411662") or ("4412835") or ("5417681") or ("4501951") or ("3968195") or ("4610670") or ("4816221"))).FN.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/27<br>13:35 |
| S52 | 61   | ("4157723"   "4265280"   "4267269"   "4412835"   "4596657"   "4767541"   "4810378"   "4855063"   "4919823"   "4943287"   "4997577").FN. OR ("5180504").UFRN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/08/27<br>13:35 |
| S53 | 5    | ((("6.733.433") or ("5.496.302") or ("5.802.689") or ("5.779.666") or ("5.180.504"))).FN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/08/27<br>13:35 |
| S54 | 1522 | ((210/459) or (604/408.410.10)).CQLS.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/09/09<br>10:19 |
| S55 | 42   | sugawara-hiroyuki\$.in.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/09<br>10:19 |

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|-----|------|---|--|----|-----|---------------------|
| S56 | 944  | "terumo kabushiki kaisha".as.   | US-PGPUB;<br>USPAT;<br>USOOCR, FFRS;<br>EPO, JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/09<br>10:19 |
| S57 | 197  | S56 and blood and filter  | US-PGPUB;<br>USPAT;<br>USOOCR, FFRS;<br>EPO, JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/09<br>10:19 |
| S58 | 123  | US-5156701-\$.D.ID. OR US-4142523-\$.D.ID. OR US-4250892-\$.D.ID. OR US-4254771-\$.D.ID. OR US-4346711-\$.D.ID. OR US-4759749-\$.D.ID. OR US-4834108-\$.D.ID. OR US-4850964-\$.D.ID. OR US-4894150-\$.D.ID. OR US-4898572-\$.D.ID. OR US-4963134-\$.D.ID. OR US-5002529-\$.D.ID. OR US-5004459-\$.D.ID. OR US-5061236-\$.D.ID. OR US-5201722-\$.D.ID. OR US-5205834-\$.D.ID. OR US-5207638-\$.D.ID. OR US-5248359-\$.D.ID. OR US-5275585-\$.D.ID. OR US-5318510-\$.D.ID. OR US-5380314-\$.D.ID. OR US-5403304-\$.D.ID. OR US-5437836-\$.D.ID. OR US-5441482-\$.D.ID. OR US-5458567-\$.D.ID. OR US-5507904-\$.D.ID. OR US-5643193-\$.D.ID. OR US-5722947-\$.D.ID. OR US-5772880-\$.D.ID. OR US-5785700-\$.D.ID. OR US-5798041-\$.D.ID. OR US-5885261-\$.D.ID. OR US-5938940-\$.D.ID. OR US-5971948-\$.D.ID. OR US-6027490-\$.D.ID. OR US-6030539-\$.D.ID. OR US-6099492-\$.D.ID. OR US-6129853-\$.D.ID. OR US-6186983-\$.D.ID. OR US-6221264-\$.D.ID. OR US-6277138-\$.D.ID. OR US-6277139-\$.D.ID. OR US-6296602-\$.D.ID. OR US-6328726-\$.D.ID. OR US-6342048-\$.D.ID. OR US-6344049-\$.D.ID. OR US-6358420-\$.D.ID. OR US-6458814-\$.D.ID. OR US-6464624-\$.D.ID. OR US-6471069-\$.D.ID. OR US-4985153-\$.D.ID. OR US-2102571-\$.D.ID. OR US-20070043317-\$.D.ID. OR US-20060180526-\$.D.ID. OR US-4886487-\$.D.ID. OR US-20070412009-\$.D.ID. OR US-2357238-\$.D.ID. OR US-3489145-\$.D.ID. OR US-6814726-\$.D.ID. OR US-6733433-\$.D.ID. OR US-4447230-\$.D.ID. OR US-4596657-\$.D.ID. OR US-4997577-\$.D.ID. OR US-5098371-\$.D.ID. OR US-5269946-\$.D.ID. OR US-5378229-\$.D.ID. OR US-5405343-\$.D.ID. OR US-5536412-\$.D.ID. OR US-5601730-\$.D.ID. OR US-6495039-\$.D.ID. OR US-3000540-\$.D.ID. OR US-4223695-\$.D.ID. OR US-4608178-\$.D.ID. OR US-4857190-\$.D.ID. OR US-5053127-\$.D.ID. OR US-5071570-\$.D.ID. OR US-5100564-\$.D.ID. OR US-5102407-\$.D.ID. OR US-5126054-\$.D.ID. OR US-5128048-\$.D.ID. OR US-5152905-\$.D.ID. OR US-5180504-\$.D.ID. OR US-5217627-\$.D.ID. OR US-5258126-\$.D.ID. OR US-5316674-\$.D.ID. OR US-5364526-\$.D.ID. OR US-5451321-\$.D.ID. OR US-5472621-\$.D.ID. OR US-5512187-\$.D.ID. OR US-5527472-\$.D.ID. OR US-4267269-\$.D.ID. OR US-4855063-\$.D.ID. OR US-20020133136-\$.D.ID. OR EP-20030141009-\$.D.ID. OR US-20010012930-\$.D.ID. OR US-6585682-\$.D.ID. OR US-4828557-\$.D.ID. OR US-5217618-\$.D.ID. OR US-6678040-\$.D.ID. OR US-7097209-\$.D.ID. OR US-4888660-\$.D.ID. OR US-6234538-\$.D.ID. OR US-6123859-\$.D.ID. OR EP-41272007-\$.D.ID. OR EP-412720073-\$.D.ID. OR US-6041410-\$.D.ID. OR US-6041246-\$.D.ID. OR US-6041260-\$.D.ID. OR US-6041262-\$.D.ID. OR US-6041182-\$.D.ID. OR EP-42720073-\$.D.ID. OR US-2101206-\$.D.ID. OR US-2805973-\$.D.ID. OR US-3013925-\$.D.ID. OR US-4022256-\$.D.ID. OR US-4242310-\$.D.ID. OR US-4412835-\$.D.ID. OR US-4443215-\$.D.ID. OR US-4501630-\$.D.ID. OR US-4507119-\$.D.ID. OR US-4610670-\$.D.ID. OR US-20030144647-\$.D.ID. OR US-20070412209-\$.D.ID. OR US-4157723-\$.D.ID. OR US-4265280-\$.D.ID. OR US-20070412210-\$.D.ID. OR US-20020161322-\$.D.ID. OR US-2101459-\$.D.ID. OR US-20070412314-\$.D.ID. OR US-20050274673-\$.D.ID. OR US-20020011452-\$.D.ID. | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/09<br>10:19 |
| S59 | 8383 | ((422/44) or (604/4,01,5,01,6,09,6,15,6,16,403,406,408,410,)) or (210/194,196,232,233,234,)) CQLS   | US-PGPUB;<br>USPAT; USOOCR   | OR | OFF | 2008/09/09<br>10:19 |
| S60 | 5264 | (S54 S59) and (@ay<"2004" not (S55 S57 S58))  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/09<br>10:19 |
| S61 | 1257 | S60 and blood and filter  | US-PGPUB;<br>USPAT;<br>USOOCR, FFRS;<br>EPO, JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/09<br>10:19 |

|     |      |  |  |    |     |                     |
|-----|------|--|--|----|-----|---------------------|
| S62 | 28   | S61 and ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable punch punched punching puncher purchable purchible stamp stamped stamping stamper stampable impress: impressed impressing impressor impressable impression imprint imprinted imprinting imprinter imprintable clip clipped clipping clipper clipable ) with ( closure closing seal coupling seal sealed sealing sealer sealable sealant ) and ( fuse fused fusing fuser fusable fusion liquef\$3 melt melted melting melter meltable merg\$3 solder\$3 unite united uniting uniter weld welded welding welder weldable ) with ( channel channeled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/09/09<br>10:19 |
| S63 | 1144 | S61 and ( method process ) not S62   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/09/09<br>10:34 |
| S64 | 100  | S63 and ( method process ) with ( bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler coupleable couplible fasten fastener fastened fastening fastenable link linker linked linkable linklike interface interfacier interfacable interfacing clip clipping clipper clipable clipplie attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount demount demounting demounted demountable demounting demounter dismount dismounting dismounted dismountable dismounting dismounter join joined joiner joining joinable joint conjoint conjoined conjainer conjoning conjoinable conjoint ) with filter  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/09/09<br>10:37 |
| S65 | 67   | { "3513976"   "3870042"   "4040959"   "4111199"   "4187979"   "4322298"   "4330410"   "4344560"   "4416777"   "4447220"   "4447415"   "4464167"   "4596657"   "4608178"   "4663032"   "4663058"   "4675117"   "4680025"   "4687580"   "4720284"   "4747952"   "4767541"   "4776964"   "4810378"   "4855063"   "4880548"   "4898573"   "4915848"   "4919623"   "4923620"   "4925572"   "4936998"   "4943287"   "4985153"   "4987577"   "5089146"   "5100564"   "5152905"   "5234593"   "5288403"   "5318674"   "5545339"   "5601730"   "5776338" }. FN, OR ("2003/0146170"   "2006/0086666"   "5399268"   "7351344"). URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2008/09/09<br>11:03 |
| S66 | 59   | S65 and @< "2004" not (S62 S64)  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/09<br>11:07 |
| S67 | 1    | ( "20030104349" ). FN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/09/09<br>11:12 |
| S69 | 139  | { "3870042"   "4330410"   "4512763"   "4596657"   "4701267"   "4767541"   "4810378" }. FN, OR ("4985153"). URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2008/09/09<br>11:40 |
| S70 | 111  | S69 and @< "2004" not (S62 S64) and blood and filter   | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/09<br>11:41 |
| S71 | 102  | S70 and ( channel channeled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | ON  | 2008/09/09<br>11:41 |
| S72 | 1    | ( "20050082218" ). FN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/09/09<br>11:52 |
| S73 | 6    | { ("5674333" or ("4753697" or ("3968195" or ("5569181" or ("4933036" or ("4521263"))). FN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/09/09<br>13:09 |
| S74 | 63   | (210/240). CQLS.   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/09/09<br>13:16 |
| S75 | 185  | (210/239). CQLS.   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/09/09<br>13:18 |
| S76 | 179  | S75 not S74  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB           | OR | ON  | 2008/09/09<br>13:19 |

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| S77 | 680   | {210/435}.CCLS.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/09<br>13:37 |
| S78 | 6     | S76 and @ay<"2004" and ( loop looped looping )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/09<br>13:37 |
| S80 | 33    | S76 and @ay<"2004" not S78   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/09<br>13:38 |
| S82 | 993   | {220/62.22.501}.CCLS.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/10<br>07:14 |
| S83 | 1205  | {(383/210.1) or (600/573)}.CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/10<br>07:14 |
| S84 | 1123  | {604/406,408,410}.CCLS.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/10<br>07:14 |
| S85 | 764   | {S82 S83 S84} and filter   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/10<br>07:20 |
| S87 | 32715 | @ay<"2004" and ( loop looped looping ) and filter and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipeline tube tubing vessel conduit ) and ( hemodialysis hemodiafiltration hemofiltration autotransfusion dialysis hemo blood patient medical therapy therapeutic )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:32 |
| S88 | 16503 | S87 and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipeline tube tubing vessel conduit ) with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter meltable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joineer joining joinable joint ) | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:35 |
| S89 | 3379  | S88 and ( loop looped looping ) with ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:36 |
| S90 | 6708  | S88 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled coilable coiler circuit ) with ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:44 |
| S91 | 369   | S90 and ( loop looped looping circle circular circularly circularity circling circled coil coiling coiled coilable coiler circuit ) with ( sterile sterility sterily clean hermetic hermetically aseptic aseptically )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:45 |

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|------|-------|---|---|----|-----|---------------------|
| S92  | 210   | S91 and filter with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter meltable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>07:46 |
| S94  | 32715 | @ay<"2004" and ( loop looped looping ) and filter and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) and ( hemodialysis hemodialfiltration hemofiltration autotransfusion dialysis hemo blood patient medical therapy therapeutic )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:19 |
| S95  | 16503 | S94 and ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit ) with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter meltable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint ) | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:19 |
| S96  | 6708  | S95 and ( loop looped looping circle circular circularity circling circled coil coiling coiled coilable coiler circuit ) with ( channel channelled channeler channeling channelable conductor conducted conductor conducting conductable course coursed coursing duct ducted ducting ductable lumen luminal pipe piped piping pipeable pipable pipeline tube tubing vessel conduit )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:19 |
| S97  | 369   | S96 and ( loop looped looping circle circular circularity circling circled coil coiling coiled coilable coiler circuit ) with ( sterile sterility sterile clean hermetic hermetically aseptic aseptically )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:19 |
| S98  | 210   | S97 and filter with ( cut cutting cutter cuttable trim trimmed trimming trimmer trimmable snipped snipping snipper snippable fuse fused fusing fuser fusable fusion melt melted melting melter meltable unite united uniting uniter weld welded welding welder weldable bond bonded bonder bonding bound connector connector connect connecting connected connectable couple coupling coupled coupler couplable couplible fasten fastener fastened fastening fastenable link linker linked linkable linkible attach attachment attachable attaching attacher attached mount mounting mounted mountable mounting mount join joined joiner joining joinable joint )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:19 |
| S99  | 209   | S98 and ( method process procedure using assemble assembled assembler assembling assembly )   | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/10<br>09:19 |
| S100 | 1     | ("6733433").FN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/09/10<br>09:20 |
| S101 | 383   | S96 and ( closed cyclic cycling circuit ) with ( sterile sterility sterile clean hermetic hermetically aseptic aseptically )  | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:47 |
| S102 | 230   | S96 and ( closed adj (circuit cycle loop) cyclic cycling circuit ) with ( sterile sterility sterile clean hermetic hermetically aseptic aseptically )   | US-PGPUB;<br>USPAT; FFRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/09/10<br>09:48 |

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| S103 | 76 | S102 not S99 | US, PGFUB;<br>USPAT., FFRS;<br>EPC, JPO;<br>DERWENT;<br>BM, TDB | OR | ON | 2008/09/10<br>09:48 |
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